EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	3	WO "9964627"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:16
L9	202	PNMT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:16
L10	80	PNMT AND variant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:17
L11	0	(phenylethanolamin)W(N)W(methyltransferase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:18
L12	117	(phenylethanolamine)W(N)W(methyltransferase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:18
L13	257	L9 or L12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:19
L14	118	L13 AND (polymorphism or variant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:19
L15	94	L14 AND probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:20

EAST Search History

L16	95	L14 AND diagnostic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:20
L17	100	L14 AND disease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:20
L18	70	L15 AND L16 AND L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/11 13:21

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LOGINID:SSSPTA1652KHG

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUl 14	FSTA enhanced with Japanese patents
NEWS	14	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:57:11 ON 11 SEP 2006

=> File HCAPLUS
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION

FULL ESTIMATED COST 0.21 0.21

FILE 'HCAPLUS' ENTERED AT 11:57:34 ON 11 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s (phenylethanolamine N methyltransferase) or PNMT
          2049 PHENYLETHANOLAMINE
           165 PHENYLETHANOLAMINES
          2123 PHENYLETHANOLAMINE
                 (PHENYLETHANOLAMINE OR PHENYLETHANOLAMINES)
       2950351 N
         17074 METHYLTRANSFERASE
          2869 METHYLTRANSFERASES
         17593 METHYLTRANSFERASE
                 (METHYLTRANSFERASE OR METHYLTRANSFERASES)
          1323 PHENYLETHANOLAMINE N METHYLTRANSFERASE
                 (PHENYLETHANOLAMINE(W)N(W)METHYLTRANSFERASE)
           783 PNMT
             1 PNMTS
           783 PNMT
                 (PNMT OR PNMTS)
L1        1429 (PHENYLETHANOLAMINE N METHYLTRANSFERASE) OR PNMT

=> s L1 AND polymorphism
        132926 POLYMORPHISM
         38510 POLYMORPHISMS
        138975 POLYMORPHISM
                 (POLYMORPHISM OR POLYMORPHISMS)
L2          22 L1 AND POLYMORPHISM

=> rem dup L2
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the
system.

To delete a saved query, saved answer set, saved L-number list, SDI
request, batch request, mailing list, or user-defined cluster, format,
or search field, enter the name.  The name may include ?  for left,
right, or simultaneous left and right truncation.

Examples:
```

```
  DELETE BIO?/Q           - delete query names starting with BIO
  DELETE ?DRUG/A          - delete answer set names ending with DRUG
  DELETE ?ELEC?/L         - delete L-number lists containing ELEC
  DELETE ANTICOAG/S       - delete SDI request
  DELETE ENZYME/B         - delete batch request
  DELETE .MYCLUSTER       - delete user-defined cluster
  DELETE .MYFORMAT        - delete user-defined display format
  DELETE .MYFIELD         - delete user-defined search field
  DELETE NAMELIST MYLIST - delete mailing list

To delete an ordered document or an offline print, enter its
number.

Examples:

  DELETE P123001C         - delete print request
  DELETE D134002C         - delete document order request

To delete an individual L-number or range of L-numbers, enter the
L-number or L-number range.  You may also enter DELETE LAST followed
by a number, n, to delete the last n L-numbers.  RENUMBER or
NORENUMBER may also be explicitly specified to override the value of
SET RENUMBER.

Examples:

  DELETE L21              - delete a single L-number
  DELETE L3-L6            - delete a range of L-numbers
  DELETE LAST 4           - delete the last 4 L-numbers
  DELETE L33-             - delete L33 and any higher L-number
  DELETE -L55             - delete L55 and any lower L-number
  DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                          renumber remaining L-numbers
  DELETE RENUMBER         - renumber L-numbers after deletion of
                          intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined
items, or E-numbers can be deleted.

Examples:

  DELETE SAVED/Q - delete all saved queries
  DELETE SAVED/A - delete all saved answer sets
  DELETE SAVED/L - delete all saved L-number lists
  DELETE SAVED   - delete all saved queries, answer sets,
                   and L-number lists
  DELETE SAVED/S - delete all SDI requests
  DELETE SAVED/B - delete all batch requests
  DELETE CLUSTER - delete all user-defined clusters
  DELETE FORMAT  - delete all user-defined display formats
  DELETE FIELD   - delete all user-defined search fields
  DELETE SELECT  - delete all E-numbers
  DELETE HISTORY - delete all L-numbers and restart the
                   session at L1

To delete an entire multifile SDI request, enter DELETE and
the name of the request.  To delete a component from the
multifile SDI, enter DELETE and the name of the component.

=> d his

     (FILE 'HOME' ENTERED AT 11:57:11 ON 11 SEP 2006)
```

```
     FILE 'HCAPLUS' ENTERED AT 11:57:34 ON 11 SEP 2006
L1          1429 S (PHENYLETHANOLAMINE N METHYLTRANSFERASE) OR PNMT
L2            22 S L1 AND POLYMORPHISM

=> d ti, so, ibib L2

L2   ANSWER 1 OF 22  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Use of three-dimensional microfabricated tissue engineered systems for
     pharmacologic applications
SO   U.S. Pat. Appl. Publ., 88 pp., Cont.-in-part of Appl. No. PCT/US04/001098.
     CODEN: USXXCO
ACCESSION NUMBER:         2006:76784  HCAPLUS
DOCUMENT NUMBER:          144:143012
TITLE:                    Use of three-dimensional microfabricated tissue
                          engineered systems for pharmacologic applications
INVENTOR(S):              Vacanti, Joseph P.; Rubin, Robert; Cheung, Wing
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 88 pp., Cont.-in-part of Appl.
                          No. PCT/US04/001098.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
     US 2006019326         A1    20060126    US 2005-183115           20050715
     WO 2004065616         A2    20040805    WO 2004-US1098           20040116
     WO 2004065616         A3    20041118
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
PRIORITY APPLN. INFO.:                       US 2003-440539P     P  20030116
                                             WO 2004-US1098      A2 20040116


=>
=> d ti, so, ibib 2-22 L2

L2   ANSWER 2 OF 22  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Human phenylethanolamine N-methyltransferase
     pharmacogenomics: Gene re-sequencing and functional genomics
SO   Journal of Neurochemistry (2005), 95(6), 1766-1776
     CODEN: JONRA9; ISSN: 0022-3042
ACCESSION NUMBER:         2006:14627  HCAPLUS
DOCUMENT NUMBER:          144:248259
TITLE:                    Human phenylethanolamine N-
                          methyltransferase pharmacogenomics: Gene
                          re-sequencing and functional genomics
AUTHOR(S):                Ji, Yuan; Salavaggione, Oreste E.; Wang, Liewei;
                          Adjei, Araba A.; Eckloff, Bruce; Wieben, Eric D.;
                          Weinshilboum, Richard M.
CORPORATE SOURCE:         Departments of Molecular Pharmacology & Experimental
                          Therapeutics, Mayo Clinic College of Medicine,
                          Rochester, MN, USA
SOURCE:                   Journal of Neurochemistry (2005), 95(6), 1766-1776
                          CODEN: JONRA9; ISSN: 0022-3042
PUBLISHER:                Blackwell Publishing Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
REFERENCE COUNT:          32    THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
```

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Gene expression profiling of colon cancer by microarray hybridization and correlation with survival and histoclinical parameters
SO PCT Int. Appl., 154 pp.
CODEN: PIXXD2

ACCESSION NUMBER: 2005:523663 HCAPLUS
DOCUMENT NUMBER: 143:58019
TITLE: Gene expression profiling of colon cancer by microarray hybridization and correlation with survival and histoclinical parameters
INVENTOR(S): Bertucci, Francois; Houlgatte, Remi; Birnbaum, Daniel; Debono, Stephane
PATENT ASSIGNEE(S): Ipsogen, Fr.; Institut, Paoli-Calmettes Ipc; Institut National de la Sante Et de la Recherche Medicale Inserm
SOURCE: PCT Int. Appl., 154 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005054508	A2	20050616	WO 2004-IB4323		20041201
WO 2005054508	A3	20060518			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2005287544	A1	20051229	US 2004-688		20041201
PRIORITY APPLN. INFO.:			US 2003-525987P	P	20031201
			US 2004-688	A	20041201

L2 ANSWER 4 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI A single-nucleotide polymorphism tagging set for human drug metabolism and transport
SO Nature Genetics (2004), Volume Date 2005, 37(1), 84-89
CODEN: NGENEC; ISSN: 1061-4036

ACCESSION NUMBER: 2004:1142224 HCAPLUS
DOCUMENT NUMBER: 142:234042
TITLE: A single-nucleotide polymorphism tagging set for human drug metabolism and transport
AUTHOR(S): Ahmadi, Kourosh R.; Weale, Mike E.; Xue, Zhengyu Y.; Soranzo, Nicole; Yarnall, David P.; Briley, James D.; Maruyama, Yuka; Kobayashi, Mikiro; Wood, Nicholas W.; Spurr, Nigel K.; Burns, Daniel K.; Roses, Allen D.; Saunders, Ann M.; Goldstein, David B.
CORPORATE SOURCE: Department of Biology (Galton Lab), University College London, London, WC1E 6BT, UK
SOURCE: Nature Genetics (2004), Volume Date 2005, 37(1), 84-89
CODEN: NGENEC; ISSN: 1061-4036
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal

LANGUAGE: English
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Use of three-dimensional microfabricated tissue engineered systems for pharmacologic applications
SO PCT Int. Appl., 153 pp.
CODEN: PIXXD2
ACCESSION NUMBER: 2004:634085 HCAPLUS
DOCUMENT NUMBER: 141:150954
TITLE: Use of three-dimensional microfabricated tissue engineered systems for pharmacologic applications
INVENTOR(S): Vacanti, Joseph P. M. d.; Rubin, Robert; Cheung, Wing
PATENT ASSIGNEE(S): The General Hospital Corporation, USA
SOURCE: PCT Int. Appl., 153 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004065616	A2	20040805	WO 2004-US1098		20040116
WO 2004065616	A3	20041118			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI					
EP 1589814	A2	20051102	EP 2004-702899		20040116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
US 2006019326	A1	20060126	US 2005-183115		20050715
PRIORITY APPLN. INFO.:			US 2003-440539P	P	20030116
			WO 2004-US1098	W	20040116

L2 ANSWER 6 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Nucleic acids and their encoded proteins useful for the prediction, diagnosis, prognosis, prevention and treatment of malignant neoplasia
SO Eur. Pat. Appl., 267 pp.
CODEN: EPXXDW
ACCESSION NUMBER: 2003:929415 HCAPLUS
DOCUMENT NUMBER: 139:392165
TITLE: Nucleic acids and their encoded proteins useful for the prediction, diagnosis, prognosis, prevention and treatment of malignant neoplasia
INVENTOR(S): Wirtz, Ralph; Munnes, Marc; Kallabis, Harald
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany; Bayer Healthcare AG
SOURCE: Eur. Pat. Appl., 267 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1365034	A2	20031126	EP 2003-10447	20030509
EP 1365034	A3	20040218		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2004018525	A1	20040129	US 2003-435696	20030509

CA 2428112	AA	20031121	CA 2003-2428112		20030521
JP 2004159640	A2	20040610	JP 2003-143262		20030521
PRIORITY APPLN. INFO.:			EP 2002-10291	A	20020521
			EP 2003-3112	A	20030213

L2 ANSWER 7 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Association of polymorphisms in the promoter region of the PNMT gene with essential hypertension in African Americans but not in Whites
SO American Journal of Hypertension (2003), 16(10), 859-863
CODEN: AJHYE6; ISSN: 0895-7061

ACCESSION NUMBER: 2003:791122 HCAPLUS
DOCUMENT NUMBER: 140:39902
TITLE: Association of polymorphisms in the promoter region of the PNMT gene with essential hypertension in African Americans but not in Whites
AUTHOR(S): Cui, Jing; Zhou, Xiaofeng; Chazaro, Irmarie; DeStefano, Anita L.; Manolis, Athanasios J.; Baldwin, Clinton T.; Gavras, Haralambos
CORPORATE SOURCE: Department of Medicine, Hypertension Section, Boston Univ. Sch. of Med., Boston, MA, 02118, USA
SOURCE: American Journal of Hypertension (2003), 16(10), 859-863
CODEN: AJHYE6; ISSN: 0895-7061
PUBLISHER: Elsevier Science Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Methods, kits and statistical analysis for detecting polymorphisms in genes associated with late onset Alzheimer's Disease
SO U.S. Pat. Appl. Publ., 29 pp.
CODEN: USXXCO

ACCESSION NUMBER: 2003:678380 HCAPLUS
DOCUMENT NUMBER: 139:192455
TITLE: Methods, kits and statistical analysis for detecting polymorphisms in genes associated with late onset Alzheimer's Disease
INVENTOR(S): Comings, David E.; MacMurray, James P.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 29 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2003162207	A1	20030828	US 2002-319855		20021216
PRIORITY APPLN. INFO.:			US 2001-339426P	P	20011214
			US 2002-413775P	P	20020927

L2 ANSWER 9 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Physical mapping of autonomic/sympathetic candidate genetic loci for hypertension in the human genome: a somatic cell radiation hybrid library approach
SO Journal of Human Hypertension (2003), 17(5), 319-324
CODEN: JHHYEN; ISSN: 0950-9240

ACCESSION NUMBER: 2003:382359 HCAPLUS
DOCUMENT NUMBER: 139:144645

TITLE: Physical mapping of autonomic/sympathetic candidate genetic loci for hypertension in the human genome: a somatic cell radiation hybrid library approach
AUTHOR(S): Chitbangonsyn, S. W.; Mahboubi, P.; Walker, D.; Rana, B. K.; Diggle, K. L.; Timberlake, D. S.; Parmer, R. J.; O'Connor, D. T.
CORPORATE SOURCE: Department of Medicine, University of California at San Diego, San Diego, CA, USA
SOURCE: Journal of Human Hypertension (2003), 17(5), 319-324
CODEN: JHHYEN; ISSN: 0950-9240
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Phenylethanolamine N-methyltransferase G-148A genetic variant and weight loss in obese women
SO Obesity Research (2003), 11(3), 415-419
CODEN: OBREFR; ISSN: 1071-7323
ACCESSION NUMBER: 2003:246374 HCAPLUS
DOCUMENT NUMBER: 138:383505
TITLE: Phenylethanolamine N-methyltransferase G-148A genetic variant and weight loss in obese women
AUTHOR(S): Peters, Warren R.; MacMurry, James P.; Walker, Jennifer; Giese, Russell J., Jr.; Comings, David E.
CORPORATE SOURCE: Center for Health Promotion, Loma Linda University, Loma Linda, CA, USA
SOURCE: Obesity Research (2003), 11(3), 415-419
CODEN: OBREFR; ISSN: 1071-7323
PUBLISHER: North American Association for the Study of Obesi ty
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 11 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of human phenylethanolamine N-methyltransferase gene polymorphisms associated with neurological and neuropsychiatric diseases
SO U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
ACCESSION NUMBER: 2002:946901 HCAPLUS
DOCUMENT NUMBER: 138:37448
TITLE: Detection of human phenylethanolamine N-methyltransferase gene polymorphisms associated with neurological and neuropsychiatric diseases
INVENTOR(S): Comings, David E.; MacMurray, James P.
PATENT ASSIGNEE(S): City of Hope, USA
SOURCE: U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002187474	A1	20021212	US 2001-845713	20010502
US 6660476	B2	20031209		

PRIORITY APPLN. INFO.: US 2000-201310P P 20000502

L2 ANSWER 12 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
SO PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
ACCESSION NUMBER: 2002:531606 HCAPLUS
DOCUMENT NUMBER: 137:74482
TITLE: Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
INVENTOR(S): Nakamura, Yusuke; Sekine, Akihiro; Iida, Aritoshi; Saito, Susumu
PATENT ASSIGNEE(S): Riken Corp., Japan
SOURCE: PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002052044	A2	20020704	WO 2001-XA11592	20011227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002052044	A2	20020704	WO 2001-JP11592	20011227
WO 2002052044	A3	20030320		
WO 2002052044	C2	20030417		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:

JP 2000-399443	A	20001227
JP 2001-135256	A	20010502
JP 2001-256862	A	20010827
WO 2001-JP11592	A	20011227

L2 ANSWER 13 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
SO PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
ACCESSION NUMBER: 2002:504959 HCAPLUS
DOCUMENT NUMBER: 137:74459
TITLE: Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
INVENTOR(S): Nakamura, Yusuke; Sekine, Akihiro; Iida, Aritoshi;

Saito, Susumu
PATENT ASSIGNEE(S): Riken Corp., Japan
SOURCE: PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002052044	A2	20020704	WO 2001-JP11592	20011227
WO 2002052044	A3	20030320		
WO 2002052044	C2	20030417		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003144176	A2	20030520	JP 2001-395196	20011226
CA 2433135	AA	20020704	CA 2001-2433135	20011227
WO 2002052044	A2	20020704	WO 2001-XA11592	20011227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1348031	A2	20031001	EP 2001-272361	20011227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004072156	A1	20040415	US 2001-35833	20011227

PRIORITY APPLN. INFO.:

JP 2000-399443	A	20001227
JP 2001-135256	A	20010502
JP 2001-256862	A	20010827
JP 2001-395196	A	20011226
WO 2001-JP11592	W	20011227

L2 ANSWER 14 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Method of profiling genes as risk factors for attention deficit hyperactivity disorder
SO U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
ACCESSION NUMBER: 2002:294161 HCAPLUS
DOCUMENT NUMBER: 136:305117
TITLE: Method of profiling genes as risk factors for attention deficit hyperactivity disorder
INVENTOR(S): Comings, David E.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002045171	A1	20020418	US 2001-825922	20010405
PRIORITY APPLN. INFO.:			US 2000-195312P P	20000410

L2 ANSWER 15 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Association between the phenylethanolamine N-methyltransferase gene and multiple sclerosis
SO Journal of Neuroimmunology (2002), 124(1-2), 101-105
CODEN: JNRIDW; ISSN: 0165-5728
ACCESSION NUMBER: 2002:171081 HCAPLUS
DOCUMENT NUMBER: 137:4399
TITLE: Association between the phenylethanolamine N-methyltransferase gene and multiple sclerosis
AUTHOR(S): Mann, Michael B.; Wu, Shijuan; Rostamkhani, Massud; Tourtellotte, Wallace; MacMurray, James P.; Comings, David E.
CORPORATE SOURCE: Department of Medical Genetics, City of Hope Medical Center, Duarte, CA, USA
SOURCE: Journal of Neuroimmunology (2002), 124(1-2), 101-105
CODEN: JNRIDW; ISSN: 0165-5728
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Genetic polymorphisms in genes associated with drug metabolism and their use in selecting drug therapies
SO U.S. Pat. Appl. Publ., 210 pp., Cont.-in-part of U.S. Ser. No. 710,467.
CODEN: USXXCO
ACCESSION NUMBER: 2001:831767 HCAPLUS
DOCUMENT NUMBER: 137:88421
TITLE: Genetic polymorphisms in genes associated with drug metabolism and their use in selecting drug therapies
INVENTOR(S): Stanton, Vincent; Zillmann, Martin
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 210 pp., Cont.-in-part of U.S. Ser. No. 710,467.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001034023	A1	20011025	US 2000-733000	20001207
WO 2000050639	A2	20000831	WO 2000-US1392	20000120
WO 2000050639	A3	20020510		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2001034023	A1	20011025	US 2000-733000	20001207

PRIORITY APPLN. INFO.:

US 1999-131334P	P	19990426
US 1999-139440P	P	19990615
WO 2000-US1392	W	20000120
US 2000-696482	A2	20001024
US 2000-710467	A2	20001108
US 2000-733000	A	20001207
US 1999-121047P	P	19990222
US 1999-357743	A	19990720

L2 ANSWER 17 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Identification of 197 genetic variations in six human methyltransferase genes in the Japanese population
SO Journal of Human Genetics (2001), 46(9), 529-537
CODEN: JHGEFR; ISSN: 1434-5161
ACCESSION NUMBER: 2001:706233 HCAPLUS
DOCUMENT NUMBER: 136:351050
TITLE: Identification of 197 genetic variations in six human methyltransferase genes in the Japanese population
AUTHOR(S): Saito, Susumu; Iida, Aritoshi; Sekine, Akihiro; Miura, Yukie; Sakamoto, Tsutomu; Ogawa, Chie; Kawauchi, Saori; Higuchi, Shoko; Nakamura, Yusuke
CORPORATE SOURCE: Laboratory for Genotyping. SNP Research Center, Institute of Physical and Chemical Research, Tokyo, Japan
SOURCE: Journal of Human Genetics (2001), 46(9), 529-537
CODEN: JHGEFR; ISSN: 1434-5161
PUBLISHER: Springer-Verlag Tokyo
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 18 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Molecular Heterosis: A Review
SO Molecular Genetics and Metabolism (2000), 71(1/2), 19-31
CODEN: MGMEFF; ISSN: 1096-7192
ACCESSION NUMBER: 2000:668022 HCAPLUS
DOCUMENT NUMBER: 133:361042
TITLE: Molecular Heterosis: A Review
AUTHOR(S): Comings, David E.; MacMurray, James P.
CORPORATE SOURCE: Department of Medical Genetics, City of Hope Medical Center, Duarte, CA, 91010, USA
SOURCE: Molecular Genetics and Metabolism (2000), 71(1/2), 19-31
CODEN: MGMEFF; ISSN: 1096-7192
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Human Indolethylamine N-Methyltransferase: cDNA Cloning and Expression, Gene Cloning, and Chromosomal Localization
SO Genomics (1999), 61(3), 285-297
CODEN: GNMCEP; ISSN: 0888-7543
ACCESSION NUMBER: 1999:711916 HCAPLUS
DOCUMENT NUMBER: 132:118109
TITLE: Human Indolethylamine N-Methyltransferase: cDNA Cloning and Expression, Gene Cloning, and Chromosomal Localization
AUTHOR(S): Thompson, Michael A.; Moon, Eunpyo; Kim, Ung-Jin; Xu, Jingping; Siciliano, Michael J.; Weinshilboum, Richard

M.
CORPORATE SOURCE: Department of Pharmacology, Mayo Medical School/Mayo Clinic/Mayo Foundation, Rochester, MN, 55905, USA
SOURCE: Genomics (1999), 61(3), 285-297
CODEN: GNMCEP; ISSN: 0888-7543
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 20 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI CHD1: a coronary heart disease susceptibility gene on chromosome 11 and its use in the diagnosis, prophylaxis, and treatment of a coronary heart disease and metabolic disorders
SO PCT Int. Appl., 297 pp.
CODEN: PIXXD2
ACCESSION NUMBER: 1999:577018 HCAPLUS
DOCUMENT NUMBER: 131:198184
TITLE: CHD1: a coronary heart disease susceptibility gene on chromosome 11 and its use in the diagnosis, prophylaxis, and treatment of a coronary heart disease and metabolic disorders
INVENTOR(S): Ballinger, Dennis G.; Ding, Wei; Wagner, Susanne; Hess, Mark A.
PATENT ASSIGNEE(S): Myriad Genetics, Inc., USA
SOURCE: PCT Int. Appl., 297 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9945112	A2	19990910	WO 1999-US4682	19990304
WO 9945112	A3	19991104		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9930680	A1	19990920	AU 1999-30680	19990304
US 6225451	B1	20010501	US 1999-262773	19990304
PRIORITY APPLN. INFO.:			US 1998-34941	A2 19980304
			US 1998-80934P	P 19980406
			WO 1999-US4682	W 19990304

L2 ANSWER 21 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI BANI detects a biallelic DNA polymorphism of the human phenylethanolamine N-methyltransferase [hPNMT] gene
SO Nucleic Acids Research (1989), 17(5), 2148
CODEN: NARHAD; ISSN: 0305-1048
ACCESSION NUMBER: 1989:167405 HCAPLUS
DOCUMENT NUMBER: 110:167405
TITLE: BANI detects a biallelic DNA polymorphism of the human phenylethanolamine N-methyltransferase [hPNMT] gene

AUTHOR(S): Hoehe, M. R.; Berrettini, W. H.; Baetge, E. E.
CORPORATE SOURCE: Clin. Neurogenet. Branch, Natl. Inst. Ment. Health, Bethesda, MD, 20892, USA
SOURCE: Nucleic Acids Research (1989), 17(5), 2148
CODEN: NARHAD; ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

L2 ANSWER 22 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI A two allele DNA polymorphism of the human phenylethanolamine N-methyltransferase (hPNMT) gene identified by HGIA I
SO Nucleic Acids Research (1989), 17(2), 828
CODEN: NARHAD; ISSN: 0305-1048
ACCESSION NUMBER: 1989:149048 HCAPLUS
DOCUMENT NUMBER: 110:149048
TITLE: A two allele DNA polymorphism of the human phenylethanolamine N-methyltransferase (hPNMT) gene identified by HGIA I
AUTHOR(S): Hoehe, M. R.; Berrettini, W. H.; Baetge, E. E.
CORPORATE SOURCE: Clin. Neurogenet. Branch, NIMH, Bethesda, MD, 20892, USA
SOURCE: Nucleic Acids Research (1989), 17(2), 828
CODEN: NARHAD; ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d ti, so, ibib, abs 6, 11-18, 21, 22 L2

L2 ANSWER 6 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Nucleic acids and their encoded proteins useful for the prediction, diagnosis, prognosis, prevention and treatment of malignant neoplasia
SO Eur. Pat. Appl., 267 pp.
CODEN: EPXXDW
ACCESSION NUMBER: 2003:929415 HCAPLUS
DOCUMENT NUMBER: 139:392165
TITLE: Nucleic acids and their encoded proteins useful for the prediction, diagnosis, prognosis, prevention and treatment of malignant neoplasia
INVENTOR(S): Wirtz, Ralph; Munnes, Marc; Kallabis, Harald
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany; Bayer Healthcare AG
SOURCE: Eur. Pat. Appl., 267 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent.
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 1365034	A2	20031126	EP 2003-10447		20030509
EP 1365034	A3	20040218			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
US 2004018525	A1	20040129	US 2003-435696		20030509
CA 2428112	AA	20031121	CA 2003-2428112		20030521
JP 2004159640	A2	20040610	JP 2003-143262		20030521
PRIORITY APPLN. INFO.:			EP 2002-10291	A	20020521
			EP 2003-3112	A	20030213

AB The invention provides cDNA and encoded protein sequences useful for the prediction, diagnosis, prognosis, prevention and treatment of malignant

neoplasia and breast cancer in particular. Forty-nine human genes are identified that are co-amplified in neoplastic lesions from breast cancer tissue resulting in altered expression relative to their expression in normal or non-breast cancer states. Markers comprising VNTR, SNP, RFLP, or STS are identified at chromosomal regions altered due to amplification. It is also a discovery of the present invention that several of these genes are characterized in that their gene products functionally interact in signaling cascades or by directly or indirectly influencing each other. A genomic region encoding functionally interacting genes that are co-amplified and co-expressed in neoplastic lesions is defined as an ARCHEON (Altered Region of Changed Chromosomal Expression Observed in Neoplasms). Exemplary ARCHEONs are located on human chromosome regions 17q11.2-21.3, 3p21-24, and 12q13. Expression profiling is achieved using quant. RT-PCR and DNA microarrays (Affymetrix arrays HG-U95-A-E or HG-U133A-B).

L2 ANSWER 11 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of human phenylethanolamine N-methyltransferase gene polymorphisms associated with neurological and neuropsychiatric diseases
SO U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO

ACCESSION NUMBER: 2002:946901 HCAPLUS
DOCUMENT NUMBER: 138:37448
TITLE: Detection of human phenylethanolamine N-methyltransferase gene polymorphisms associated with neurological and neuropsychiatric diseases
INVENTOR(S): Comings, David E.; MacMurray, James P.
PATENT ASSIGNEE(S): City of Hope, USA
SOURCE: U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002187474	A1	20021212	US 2001-845713	20010502
US 6660476	B2	20031209		

PRIORITY APPLN. INFO.: US 2000-201310P P 20000502

AB The present invention is directed to two single nucleotide polymorphisms, identified as G182A and G387A, in the promoter region of the human phenylethanolamine N-methyltransferase (PNMT) gene. Methods for the determination susceptibility to neurol. or neuropsychiatric diseases involving adrenergic neurons are another embodiment of the present invention. Neurol. or neuropsychiatric diseases of the present invention include Alzheimer's disease, multiple sclerosis, bipolar disorder, schizophrenia, attention deficit disorder and hyperactivity.

L2 ANSWER 12 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
SO PCT Int. Appl., 2858 pp.
CODEN: PIXXD2

ACCESSION NUMBER: 2002:531606 HCAPLUS
DOCUMENT NUMBER: 137:74482
TITLE: Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
INVENTOR(S): Nakamura, Yusuke; Sekine, Akihiro; Iida, Aritoshi;

Saito, Susumu
PATENT ASSIGNEE(S): Riken Corp., Japan
SOURCE: PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002052044	A2	20020704	WO 2001-XA11592	20011227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002052044	A2	20020704	WO 2001-JP11592	20011227
WO 2002052044	A3	20030320		
WO 2002052044	C2	20030417		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:		
JP 2000-399443	A	20001227
JP 2001-135256	A	20010502
JP 2001-256862	A	20010827
WO 2001-JP11592	A	20011227

AB The present invention relates to genetic polymorphism data, compns. and methods for detecting genetic polymorphisms, methods for evaluating drugs using genetic polymorphisms, and screening methods for drugs. Thus, 7669 sep. single nucleotide polymorphisms (SNP) are provided in human genes encoding drug-metabolizing enzymes. In some embodiments, a drug-metabolizing enzyme is at least one of the following: epoxide hydrolase, methyltransferase, N-acetyltransferase, sulfotransferase, quinone oxidoreductase, glutathione S-transferase, UDP-glycosyltransferase, aldehyde dehydrogenase, alc. dehydrogenase, esterase, NDUF, cytochrome P 450, and ATP-binding cassette. In one example, a correlation is demonstrated between optimal amts. of azathioprine (an immunosuppressive agent) and various combinations of the alleles at the 868th SNP of intron 3 of thiopurine S-methyltransferase gene (G or T alleles) and the 2682nd SNP of intron 3 (C or A alleles). [This abstract record is one of two records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

L2 ANSWER 13 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs
SO PCT Int. Appl., 2858 pp.
CODEN: PIXXD2
ACCESSION NUMBER: 2002:504959 HCAPLUS
DOCUMENT NUMBER: 137:74459

TITLE: Detection of genetic polymorphisms in drug-metabolizing enzyme genes and their use for evaluation and screening of drugs

INVENTOR(S): Nakamura, Yusuke; Sekine, Akihiro; Iida, Aritoshi; Saito, Susumu

PATENT ASSIGNEE(S): Riken Corp., Japan

SOURCE: PCT Int. Appl., 2858 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002052044	A2	20020704	WO 2001-JP11592	20011227
WO 2002052044	A3	20030320		
WO 2002052044	C2	20030417		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003144176	A2	20030520	JP 2001-395196	20011226
CA 2433135	AA	20020704	CA 2001-2433135	20011227
WO 2002052044	A2	20020704	WO 2001-XA11592	20011227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1348031	A2	20031001	EP 2001-272361	20011227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004072156	A1	20040415	US 2001-35833	20011227

PRIORITY APPLN. INFO.:

JP 2000-399443	A	20001227
JP 2001-135256	A	20010502
JP 2001-256862	A	20010827
JP 2001-395196	A	20011226
WO 2001-JP11592	W	20011227

AB The present invention relates to genetic polymorphism data, compns. and methods for detecting genetic polymorphisms, methods for evaluating drugs using genetic polymorphisms, and screening methods for drugs. Thus, 7669 sep. single nucleotide polymorphisms (SNP) are provided in human genes encoding drug-metabolizing enzymes. In some embodiments, a drug-metabolizing enzyme is at least one of the following: epoxide hydrolase, methyltransferase, N-acetyltransferase, sulfotransferase, quinone oxidoreductase, glutathione S-transferase, UDP-glycosyltransferase, aldehyde dehydrogenase, alc. dehydrogenase, esterase, NDUF, cytochrome P 450, and ATP-binding cassette. In one example, a correlation is demonstrated between optimal amts. of azathioprine (an immunosuppressive agent) and various combinations of the alleles at the 868th SNP of intron 3 of thiopurine S-methyltransferase gene (G or T alleles) and the 2682nd

SNP of intron 3 (C or A alleles). [This abstract record is one of two records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

L2 ANSWER 14 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Method of profiling genes as risk factors for attention deficit hyperactivity disorder
SO U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
ACCESSION NUMBER: 2002:294161 HCAPLUS
DOCUMENT NUMBER: 136:305117
TITLE: Method of profiling genes as risk factors for attention deficit hyperactivity disorder
INVENTOR(S): Comings, David E.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2002045171	A1	20020418	US 2001-825922		20010405
PRIORITY APPLN. INFO.:			US 2000-195312P	P	20000410

AB The present invention relates to methods of profiling candidate genes as risk factors for attention deficit hyperactivity disorder, oppositional defiant disorder and conduct disorder. In one embodiment, the invention relates to a method of determining a genetic predisposition of a subject to ADHD, comprising detecting at least one allele from the group comprising the TPH, PNMT, ADO42A, NOS3, and NAT1 genes. By focusing on the additive effect of multiple genes and on the cumulative effect of functionally related groups of genes, a powerful approach is provided for the dissection of the genetic basis of ADHD, ODD and CD.

L2 ANSWER 15 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Association between the phenylethanolamine N-methyltransferase gene and multiple sclerosis
SO Journal of Neuroimmunology (2002), 124(1-2), 101-105
CODEN: JNRIDW; ISSN: 0165-5728
ACCESSION NUMBER: 2002:171081 HCAPLUS
DOCUMENT NUMBER: 137:4399
TITLE: Association between the phenylethanolamine N-methyltransferase gene and multiple sclerosis
AUTHOR(S): Mann, Michael B.; Wu, Shijuan; Rostamkhani, Massud; Tourtellotte, Wallace; MacMurray, James P.; Comings, David E.
CORPORATE SOURCE: Department of Medical Genetics, City of Hope Medical Center, Duarte, CA, USA
SOURCE: Journal of Neuroimmunology (2002), 124(1-2), 101-105
CODEN: JNRIDW; ISSN: 0165-5728
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Phenylethanolamine N-methyltransferase (PNMT), the terminal enzyme of the catecholamine biosynthesis pathway, catalyzes the conversion of norepinephrine (NE) to epinephrine (EPI). PNMT is a candidate gene for multiple sclerosis (MS) for two reasons. PNMT is known to map to a region identified in two genome screens for MS and it directly regulates the amts. of NE and EPI, both of which play a significant role in the modulation of the innate

immune response. The frequencies of two promoter polymorphisms of the PNMT gene showed genetic association in a case-control study of 108 patients with MS and 774 ethnically and age-matched control subjects. In subjects with MS, significant differences in the frequency of the GG genotype at the G-387A marker and the AA genotype at the G-182A marker were observed Addnl., when both markers were combined and evaluated, highly significant differences between the polymorphism distributions in patients with MS and control subjects were detected. The data suggest that these promoter polymorphisms of the PNMT gene, both independently and cumulatively, show association with MS.

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Genetic polymorphisms in genes associated with drug metabolism and their use in selecting drug therapies

SO U.S. Pat. Appl. Publ., 210 pp., Cont.-in-part of U.S. Ser. No. 710,467. CODEN: USXXCO

ACCESSION NUMBER: 2001:831767 HCAPLUS

DOCUMENT NUMBER: 137:88421

TITLE: Genetic polymorphisms in genes associated with drug metabolism and their use in selecting drug therapies

INVENTOR(S): Stanton, Vincent; Zillmann, Martin

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 210 pp., Cont.-in-part of U.S. Ser. No. 710,467.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001034023	A1	20011025	US 2000-733000	20001207
WO 2000050639	A2	20000831	WO 2000-US1392	20000120
WO 2000050639	A3	20020510		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2001034023	A1	20011025	US 2000-733000		20001207
PRIORITY APPLN. INFO.:			US 1999-131334P	P	19990426
			US 1999-139440P	P	19990615
			WO 2000-US1392	W	20000120
			US 2000-696482	A2	20001024
			US 2000-710467	A2	20001108
			US 2000-733000	A	20001207
			US 1999-121047P	P	19990222
			US 1999-357743	A	19990720

AB Methods for identifying and utilizing variances in genes relating to efficacy and safety of medical therapy and other aspects of medical therapy are described, including methods for selecting an effective treatment. [This abstract record is one of several records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

L2 ANSWER 17 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Identification of 197 genetic variations in six human methyltransferase genes in the Japanese population
SO Journal of Human Genetics (2001), 46(9), 529-537
CODEN: JHGEFR; ISSN: 1434-5161
ACCESSION NUMBER: 2001:706233 HCAPLUS
DOCUMENT NUMBER: 136:351050
TITLE: Identification of 197 genetic variations in six human methyltransferase genes in the Japanese population
AUTHOR(S): Saito, Susumu; Iida, Aritoshi; Sekine, Akihiro; Miura, Yukie; Sakamoto, Tsutomu; Ogawa, Chie; Kawauchi, Saori; Higuchi, Shoko; Nakamura, Yusuke
CORPORATE SOURCE: Laboratory for Genotyping. SNP Research Center, Institute of Physical and Chemical Research, Tokyo, Japan
SOURCE: Journal of Human Genetics (2001), 46(9), 529-537
CODEN: JHGEFR; ISSN: 1434-5161
PUBLISHER: Springer-Verlag Tokyo
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Methylation is an important event in the biotransformation pathway for many drugs and xenobiotic compds. We screened DNA from 48 Japanese individuals for single-nucleotide polymorphisms (SNPs) in six methyltransferase (MT) genes (catechol-O-MT, COMT; guanidinoacetate N-MT, GAMT; histamine N-MT, HNMT; nicotinamide N-MT, NNMT; phosphatidylethanolamine N-MT, PEMT; and phenylethanolamine N-MT, PNMT) by direct sequencing of their entire genomic regions except for repetitive elements. This approach identified 190 SNPs and seven insertion/deletion polymorphisms among the six genes. Of the 190 SNPs, 33 were identified in the COMT gene, 6 in GAMT, 41 in HNMT, 8 in NNMT, 98 in PEMT, and 4 in PNMT. Nine were located in 5' flanking regions, 156 in introns, 10 in exons, and 15 in 3' flanking regions. These variants may contribute to a more precise understanding of possible correlations between genotypes and disease-susceptibility phenotypes or risk for side effects from drugs.
REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 18 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Molecular Heterosis: A Review
SO Molecular Genetics and Metabolism (2000), 71(1/2), 19-31
CODEN: MGMEFF; ISSN: 1096-7192
ACCESSION NUMBER: 2000:668022 HCAPLUS
DOCUMENT NUMBER: 133:361042
TITLE: Molecular Heterosis: A Review
AUTHOR(S): Comings, David E.; MacMurray, James P.
CORPORATE SOURCE: Department of Medical Genetics, City of Hope Medical Center, Duarte, CA, 91010, USA
SOURCE: Molecular Genetics and Metabolism (2000), 71(1/2), 19-31
CODEN: MGMEFF; ISSN: 1096-7192
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review, with 58 refs. Mol. heterosis occurs when subjects heterozygous for a specific genetic polymorphism show a significantly greater effect (pos. heterosis) or lesser effect (neg. heterosis) for a quant. or dichotomous trait than subjects homozygous for either allele. At a mol. level heterosis appears counterintuitive to the expectation that if the 1 allele of a two-allele polymorphism is associated with a decrease in gene expression, those carrying the 11 genotype should show the greatest effect, 12 heterozygotes should be intermediate, and 22 homozygotes should show the least effect. We review the accumulating

evidence that mol. heterosis is common in humans and may occur in up to 50% of all gene assocns. A number of examples are reviewed, including those for the following genes: ADRA2C, C3 complement, DRD1, DRD2, DRD3, DRD4, ESR1, HP, HBB, HLA-DR DQ, HTR2A, properdin B, SLC6A4, PNMT, and secretor. Several examples are given in which the heterosis is gender-specific. Three explanations for mol. heterosis are proposed. The first is based on an inverted U-shaped response curve in which either to little or too much gene expression is deleterious, with optimal gene expression occurring in 12 heterozygotes. The second proposes an independent third factor causing a hidden stratification of the sample such that for in one set of subjects 11 homozygosity is associated with the highest phenotype score, while in the other set, 22 homozygosity is associated with the highest phenotype score. The third explanation suggests greater fitness in 12 heterozygotes because they show a broader range of gene expression than 11 or 22 homozygotes. Allele-based linkage techniques usually miss heterotic assocns. Because up to 50% of association studies show a heterosis effect, this can significantly diminish the power of family-based linkage and association studies. (c) 2000 Academic Press.

REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 21 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN

TI BANI detects a biallelic DNA polymorphism of the human phenylethanolamine N-methyltransferase [hPNMT] gene

SO Nucleic Acids Research (1989), 17(5), 2148
CODEN: NARHAD; ISSN: 0305-1048

ACCESSION NUMBER: 1989:167405 HCAPLUS
DOCUMENT NUMBER: 110:167405
TITLE: BANI detects a biallelic DNA polymorphism of the human phenylethanolamine N-methyltransferase [hPNMT] gene
AUTHOR(S): Hoehe, M. R.; Berrettini, W. H.; Baetge, E. E.
CORPORATE SOURCE: Clin. Neurogenet. Branch, Natl. Inst. Ment. Health, Bethesda, MD, 20892, USA
SOURCE: Nucleic Acids Research (1989), 17(5), 2148
CODEN: NARHAD; ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A 2-allele restriction fragment length polymorphism for restriction endonuclease BanI was identified in the hPNMT gene on chromosome 17. The polymorphism displayed codominant segregation.

L2 ANSWER 22 OF 22 HCAPLUS COPYRIGHT 2006 ACS on STN

TI A two allele DNA polymorphism of the human phenylethanolamine N-methyltransferase (hPNMT) gene identified by HGIA I

SO Nucleic Acids Research (1989), 17(2), 828
CODEN: NARHAD; ISSN: 0305-1048

ACCESSION NUMBER: 1989:149048 HCAPLUS
DOCUMENT NUMBER: 110:149048
TITLE: A two allele DNA polymorphism of the human phenylethanolamine N-methyltransferase (hPNMT) gene identified by HGIA I
AUTHOR(S): Hoehe, M. R.; Berrettini, W. H.; Baetge, E. E.
CORPORATE SOURCE: Clin. Neurogenet. Branch, NIMH, Bethesda, MD, 20892, USA
SOURCE: Nucleic Acids Research (1989), 17(2), 828
CODEN: NARHAD; ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

AB When used in conjunction with HgiAI, a DNA probe for the human phenylethanolamine N-methyltransferase gene identified a 2-allele polymorphism for this locus. The gene has been assigned to chromosome 17.